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(54) **Thermoelectric power generator with built-in temperature adjustment**

(57) In one embodiment, an operating condition of a thermoelectric module is monitored. It is determined when the monitored operating condition exceeds a desired range. Upon determining the monitored operating condition exceeds the desired range, a thermal adjustment is applied to the thermal condition to direct the operating condition to within the desired range. The monitoring the operating condition may include measuring an operating temperature of an environment adjacent a sur-

face of the thermoelectric module, a surface temperature of a portion of the thermoelectric module, a thermal differential between the first surface and the second surface of the thermoelectric module, and an output voltage of the thermoelectric module. The desired range includes a temperature range below a level at which the thermoelectric module will sustain thermal damage and a thermal differential capable of causing the thermoelectric module to generate a minimum desired output voltage.

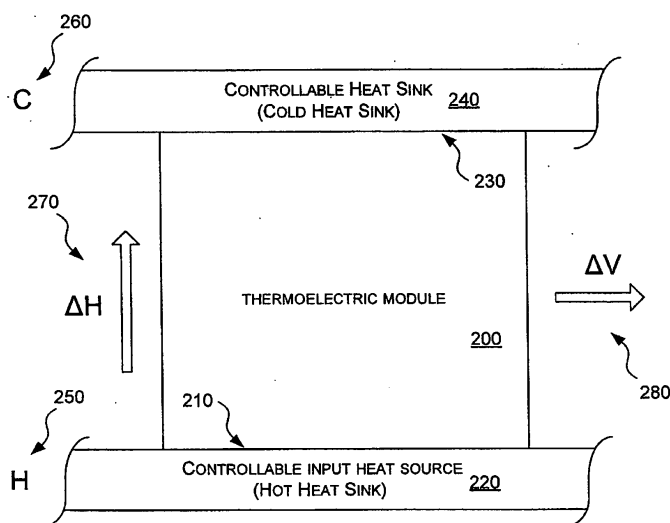


FIGURE 2



EUROPEAN SEARCH REPORT

Application Number
EP 07 25 1930

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A	figure 11 *	10	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 15 April 2011	Examiner Kirkwood, Jonathan
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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